10518129 - GAU: 1793

# GERIFICATE OF MAILING Residual of certify that on June 28, 2005 his paper (along with any paper referred to as being distributed or enclosed) is being deposited with the United States Postal Service with sufficient postage is first class mail, addinessed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, V.A. 22313-1450. (Type or print name of person mailing paper) (Signature of person mailing paper)

#### PATENT

Attorney Docket No. 0180.0042 Serial No. 10/518,129

Filed: December 14, 2004
Title: Supported Metal Catalyst
With Improved Thermal Stability
Applicants: Carter/Jarvis

Applicants: Carter/Jarvis Group Art Unit No. n/a

Examiner: n/a

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Amendment Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

#### INFORMATION DISCLOSURE STATEMENT

Sir:

In recognition of the duty to disclose all relevant information of which they are aware, applicant directs the Examiner's attention to the references listed on the attached PTO form AB-08A. A copy of each non-US patent reference is enclosed.

Dated: June 28, 2005 Respectfully submitted,

/David J. Oldenkamp/.
David J. Oldenkamp, Reg.# 29,421
SHAPIRO & DUPONT LLP
233 Wilshire Boulevard, Suite 700
Santa Monica, California 90401
(310) 319-5411 (Telephone)
(310) 319-5401 (Facsimile)

Za TRADE LE

PTO/SB/08A (08-03) Approved for use through 07/31/2006 OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it displays a valid OMB control number Under the Paperwork Reduction Act of 1995, no persons are required to resp

#### Substitute for form 1449A/PTO Complete if Known 10/518,129 Application Number December 14, 2004 INFORMATION DISCLOSURE Filing Date STATEMENT BY APPLICANT Carter, Emily A. First Named Inventor n/a (use as many sheets as necessary) Art Unit n/a **Examiner Name** 0180.0042 of 2 Attorney Docket Number Sheet

			U.	S. PATENT DOC	UMENTS	
Examiner	Cite		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Initials*	No.1	Number - Kind Code <sup>2</sup> (if known)		MM-DD-YYYY	Hindin et al.	
		US-	3,966,790		Keith et al.	
	_	US-	4,171,288		Bozon et al.	
		US-	4,294,726		Wan et al.	
		US-	4,624,940			
	Τ_	US-	4,714,694		Wan et ai.	
		US-	4,849,399		Joy, lil et al.	
	T	US-	4,902,664		Wan	
		US-	5,212,142		Dettling	
		US-	5,552,360		Farrauto et al.	
		US-	5,627,124		Farrauto et al.	<u> </u>
	_	US-	6,492,297		Sung	
	+	US-				
	1	US-				
		US-				
		US-				<del> </del>
		US-				

		FOREIG	ON PATENT D	DOUMENTS		_
Examiner Initials*	Cit e No.	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (# known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7°
						F
						E
	F					L
						+

				_
Examiner Signature	/Kevin Johnson/	Date Considered	03/10/2008	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

\*\*Ex-AMBERS: Install at reference considered, werefine or not orations is in commonance with MM\*LP\* 699. Jurian line through classon if not in conformance and not considered, include copy of his form with next communication to applicant.

\*Applicant's unique citation designation number (opional). \*See Kinds of USPTO Patient Documents at <u>www.uspico.gov</u> or MMPEP 901.04. \*Enter \*Applicant's unique citation designation number (opional). \*See Kinds of USPTO Patient Documents and <u>www.uspico.gov</u> or MMPEP 901.04. \*Enter \*Conformation the documents of the two-deter code (WMPO Standard ST.35.). \*For Japanese patient documents, the conformation that is indicated in the view of the Emperor must precede the serial number of the patient document. \*Vaid of document pages as symbols as indicated on the document under VMPO Standard ST. 16 if passible. \*Applicant is to place a check mark here if English linguage Transition is attached.

PTO/SB/08B (08-03)

Approved for use through 06/30/2006 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trisdemark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB central number

Substitute for form 1449A/PTO

Complete if Known

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

TEMENT BY APPLICANT (use as many sheets as necessary)

of

2

Complete if Kn	own
Application Number	10/518,129
Filing Date	December 14, 2004
First Named Inventor	Carter, Emily A.
Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	0180.0042

		OTHER PRIOR ART NON PATENT EITERATURE BOCOMENTO	_
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), bitle of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, orly and/or country where published	T <sup>2</sup>
muas	1	Jarvis et al., An Atomic Perspective of a Doped Metal-Oxide Interface, J. Phys. Chem B, 2002, 106, 7997-8004 (published on Web 06/14/2002)	
	2	Jarvis et al., Importance of open-shell effects in adhesion at metal-ceramic interfaces, Physical Review B 66, 100103(R) (2002) (published September 25, 2002)	-
	3		ŀ
	4_		┝
	5_		ł
	6		+
	7		+
	8		+
	_		+
			- 1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner	/Kevin Johnson/	Date Considered	03/10/2008
Signature	reference considered, whether	or not citation is in conformance with MPEP 609.	Draw line through citation if not in conformance

FEATINGER: mail if efferance considered, whether or not clations in conformance with INFEP 609. Unaw line through clation in not in conformance and not considered include copy of this form with need communication to applicant.

\*Applicant's unique clation designation number (optiona).

\*See Kinds of USPTO P start Documents at www.upto.gov n MPEP 9010 of .\* Enter Office that Issued the document, by the two-letter code (WIPO Standard ST 3.).

\*For Japanese patient documents, the indication of the year of the origin of the Emperor must pracede the serial number of the patient document.

\*\*Applicant is uplaced.\*\* A chief of documents of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Emperor must pracede the serial number of the patient document.

\*\*Indication of the Em